## (19) World Intellectual Property Organization

International Bureau



## I SECIA ENHANCI IL COLUS NOM DELLI COLU DIN IL IL IN COLU ILCON ELIN COLU SICI COLU IL IL ILIZI SICI DI IL ILI

(43) International Publication Date 4 August 2005 (04.08.2005)

PCT

## (10) International Publication Number WO 2005/070042 A2

(51) International Patent Classification:

Not classified

(21) International Application Number:

PCT/US2005/000303

- (22) International Filing Date: 6 January 2005 (06.01.2005)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/535,267 60/551,972 9 January 2004 (09.01.2004) US 10 March 2004 (10.03.2004) US

- (71) Applicant (for all designated States except US): SMITHKLINE BECKMAN CORPORATION [US/US]; One Franklin Plaza, P.O. Box 7929, Philadelphia, PA 19101 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): HASEGAWA, Masaichi [JP/JP]; Tsukuba Research Laboratories, 43 Wadai, Tsukuba-shi, Ibaraki (JP). KANO, Kazuya [JP/JP]; Tsukuba Research Laboratories, 43 Wadai, Tsukuba-shi, Ibaraki (JP). NAKANO, Masato [JP/JP]; Tsukuba Research Laboratories, 43 Wadai, Tsukuba-shi, Ibaraki (JP). YAMABE, Mariko [JP/JP]; Tsukuba Research Laboratories, 43 Wadai, Tsukuba-shi, Ibaraki (JP).

- (74) Agents: HAN, William, T. et al.; Glaxosmithkline, Corporate Intellectual Property, UW2220, 709 Swedeland Road, P.O. Box 1539, King of Prussia, PA 19406-0939 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## **Published:**

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: NOVEL CHEMICAL COMPOUNDS

(57) Abstract: This invention relates to newly identified compounds for inhibiting hYAK3 and/or CK2 proteins and methods for treating diseases associated with the imbalance or inappropriate activity of hYAK3 and/or CK2 proteins.